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85-103881/17

C04E34

URAL= 04.05.83

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URALS HALURGY RES

*SU 1117-281-A

04.05.83-SU-586159 (07.10.84) C01d-03/22 C05d-01/02

Mfr. of granulated potassium chloride - by treating obld. granules with ferric sulphate and drying before storage

CR5-045333

Prepn. of granulated KCl. Includes granulating fine-grain prod. and treating the granules with Fe (III) salt. The caking of the prod. is decreased, and its moisture resistance increased by using 5-10% Fe₂(SO₄)₃ soln. at 0.3-0.5kg per t as the Fe (III) salt, with subsequent drying of the obld. prod. at 80-110 deg.C.

ADVANTAGE - The caking of KCl is decreased 4-5 fold and its resistance to moisture is increased 2.5-3 fold. (2pp Dwg.No. 0/0)

EXAMPLE

The initial fine-grain KCl was granulated by pressing it at 8 MPa and 110-130 deg. C. The obld. material was granulated, the granules were classified, retaining greater than 4mm particles, these were then treated with 5% soln. of Fe₂(SO₄)₃ at 0.3kg per t and dried at 80 deg. C. Bul.37/7.10.84.